




SCHWITZER- CUMMINS . . .

and its Products



Coal Stokers . . . STOKOL AND STOKOL-TRIPLEX FOR BITUMINOUS
AND ANTHRACITE COALS . . . RETORT AGITATOR MODELS
FOR HIGH COKING COAL

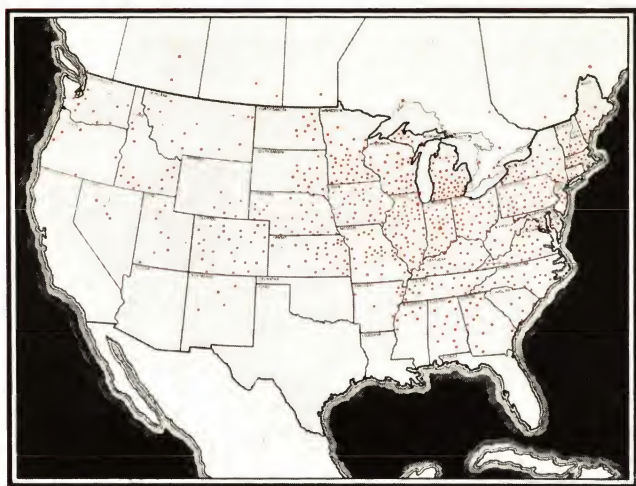
Stoker Fired Furnaces . . .
AUTOMATIC WARM AIR HEATING PLANTS
AND WINTER AIR CONDITIONERS

Blowers . . . BLOWER-FILTER UNITS . . .
BLOWER-FILTER HUMIDIFIERS . . . GENERAL VENTILATION

Attic Ventilators . . . PROPELLER FAN TYPE . . . BLOWER FAN TYPE



Automatic Heat at Its Very Best



Sales and servicing are carried on by a nationwide organization of distributors and dealers. There are over fifteen hundred equipped to give engineering services for the selection, installation and servicing of our products. The accompanying map shows the extent of the important key distributors and dealers.

The trade names STOKOL, STOKOL-HEAT and STOKOL-TRIPLEX stand for "Automatic Heat At Its Very Best." Over 60,000 are in satisfactory use in apartments, schools, theatres, hospitals, buildings, greenhouses, dairies, factories, in industry generally and in thousands of homes.

This universal acceptance on the part of the public reflects the sound engineering and rugged construction typical of all Schwitzer-Cummins products. The STOKOL line is produced by an organization experienced for over twenty years in the manufacture of high-grade engineering products for all the basic industries. Our engineers have done an immense amount of research and engineering development in the field of automatic heat. We have pioneered in a number of basic improvements of the utmost importance to the success of the stoker industry as a whole. Our manufacturing facilities are unsurpassed for the production of high-grade stokers at low cost. Schwitzer-Cummins is strongly financed to carry on the manufacture and national distribution of stokers.

Such a background supports the STOKOL two-year guarantee and insures the permanency of the product.

STOKOL STOKERS

Domestic Bituminous

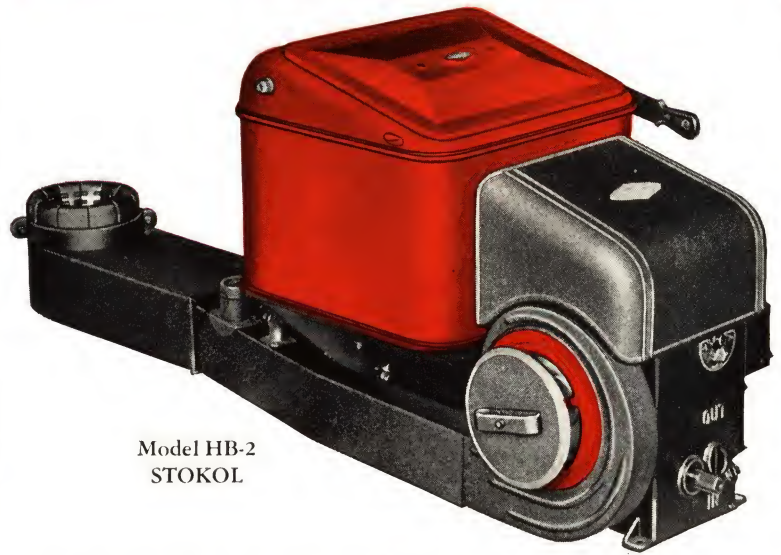
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STOKOL—Hydraulic Drive Stoker

There are sixty-one STOKOL models for burning bituminous and anthracite coal. Capacities range from 12 pounds per hour on domestic sizes to 600 pounds per hour on commercial models. Both bituminous and anthracite models are made in hopper and bin feed types. All STOKOLS employ the underfeeding principle of feeding coal.

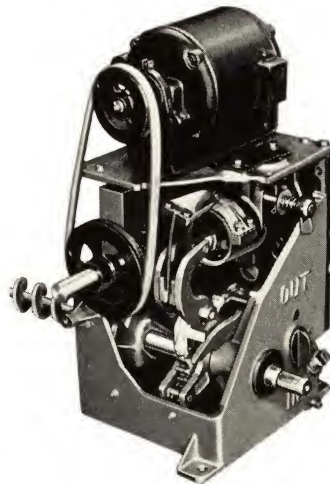
STOKOL has many superior features—hydraulic transmission; STOKOL automatic air control for metering the correct supply of air required by the fire; universal bin feed; air-tight hopper with low door for convenient filling; HY-DUTY multiblade blower fan; automatic ash remover for anthracite models; Stokolarm, an automatic device for signaling notice of any obstruction in the feed screw; Stokostat, hydraulically operated hold-fire control. Sound engineering and the finest workmanship and materials make STOKOL the World's Greatest Stoker.



Model HB-2
STOKOL

STOKOL HYDRAULIC TRANSMISSION

The service imposed on stoker transmissions is inherently different from any other customary speed reducer requirement. Tremendous turning effort at extremely slow speed is expected from a stoker transmission and there is no other generally used device on which a similar service is imposed. To meet this condition Schwitzer-Cummins engineers developed a hydraulic transmission which is excellently adapted for stoker purposes. Oil is the medium of transmitting the power. The transmission runs in a bath of oil so there is no problem of lubrication. Perfect lubrication is inevitable, so there is no wear-out to a STOKOL transmission. Our hydraulic transmission will exert continuously and without damaging effect a higher turning effort on the feed screw for a given motor size than is possible with any other type. The Schwitzer-Cummins transmission is provided with an overload device which positively avoids breakage or motor overloading should the screw become locked. It is the only



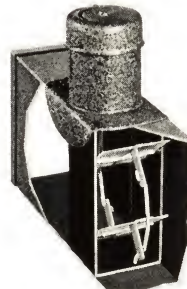
overload device available which automatically resumes normal operation when the obstruction is removed.

An oil pump located on the inner end of the shaft which carries the fan and drive pulley, draws the oil from the reservoir in the bottom of the case and forces it into the hydraulic cylinder. The pressure of the oil moves the piston forward and with it a lever which is in contact with the piston. This lever turns a ratchet wheel attached to a main shaft which drives the coal feed screw.

Change in rate of coal feed is easily accomplished by turning a simple valve which varies the rate of oil flow from the cylinder. An unlimited number of coal feeds are thus obtainable. A neutral position where the coal feed is stopped and the fan is kept running is obtained by just turning a knob. The oil which is used to operate the piston is diverted to flood every moving part of the mechanism with a bath of cool, clean oil assuring perfect lubrication and long-lived operation.

HOPPER FEATURES

STOKOL HOPPERS are designed for the utmost cleanliness and convenience. Doors are large and fit down dust-tight on rubber seals. A by-pass from the blower permits carrying air pressure in the hopper, effectively preventing the leakage of gas or fumes into the basement. Hoppers are of extremely rigid construction, drawn from heavy gauge steel, are low and can be filled with little effort.



AUTOMATIC AIR CONTROL

Underfeed stokers require forced draft to maintain efficient combustion. Due to varying conditions of the fire the correct volume of air must be supplied to obtain maximum efficiency. The Schwitzer-Cummins automatic air control acts quickly and positively to supply the correct volume of air required by the fire to meet all changing conditions.

METAL SPRAYED RETORT OR BURNER

STOKOL retorts are of improved sectional construction designed for burning the coal with maximum economy. They are of heavy construction, made from heat resisting alloy iron and in addition are sprayed with an aluminum alloy which greatly increases their resistance to heat and prolongs their life.

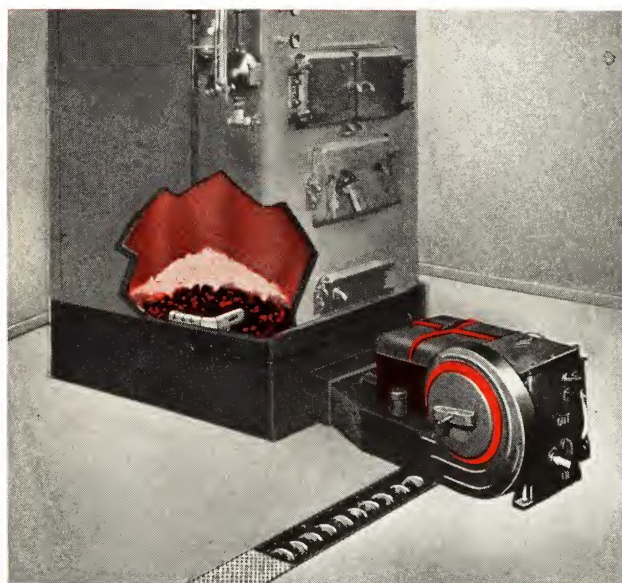
FOR COAL BURNING AND RADIATION CAPACITIES SEE NEXT PAGE

SCHWITZER-CUMMINS COMPANY..Indianapolis, U.S.A.

STOKOL STOKERS

Domestic Bituminous

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COAL BURNING AND RADIATION CAPACITIES

MODEL HB (Hopper Type)
and MODEL HBC (Cabinet Type)

	Maximum Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 2	20 to 24	560 to 675
No. 3	30 to 36	850 to 1020
No. 5	50 to 60	1430 to 1715

MODEL HBU (Universal Bin Feed Type)

	Maximum Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 2	20 to 24	560 to 675
No. 3	30 to 36	850 to 1020

*Ratings represent square feet of standing direct steam radiation based on 14,000 BTU coal in conformance with S.M.A. stoker ratings.

***Depending on size, weight and condition of coal.

STOKOL CONTROLS

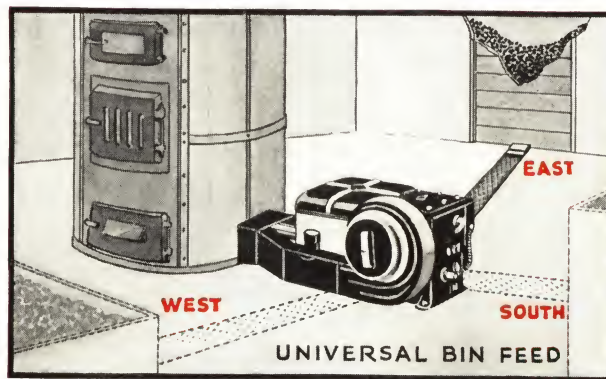
STOKOL controls are complete and accurate. Room temperatures and the amount of coal burned are accurately regulated as is the air supply for complete combustion. The Thermostat is the master control. Set it for the temperature wanted and it will regulate the fire and hold that temperature constantly. It controls by automatically stopping the coal feed when the heat tends to rise above the temperature selected and starts the feeding of coal again when the temperature tends to drop below that point. The Thermostat puts a stop to opening and closing drafts and checks, opening and closing windows, watching the fire and the many other things necessary to keep comfortable when you fire by hand.

An automatic safety device—the Limit Control—insures against overheating the furnace or boiler. The Stokostat prevents the fire from going out in mild weather. The Pressure Control regulates the operation of STOKOL according to desired steam pressures.

STOKOL BIN FEED MODELS do away with all coal handling by feeding the coal direct from the coal bin to the fire. They add the last word in convenience to automatic heat with coal because your hands need never touch the coal. An extension of the stoker feed screw runs to the coal bin and is driven by the same motor that drives the stoker feed screw. The same controls govern it. There is nothing to watch or require attention. So long as there is fuel in the coal bin you may be sure that the fire is all right.



STOKOL CABINET MODELS, styled differently to meet the preference of some users.



UNIVERSAL APPLICATION

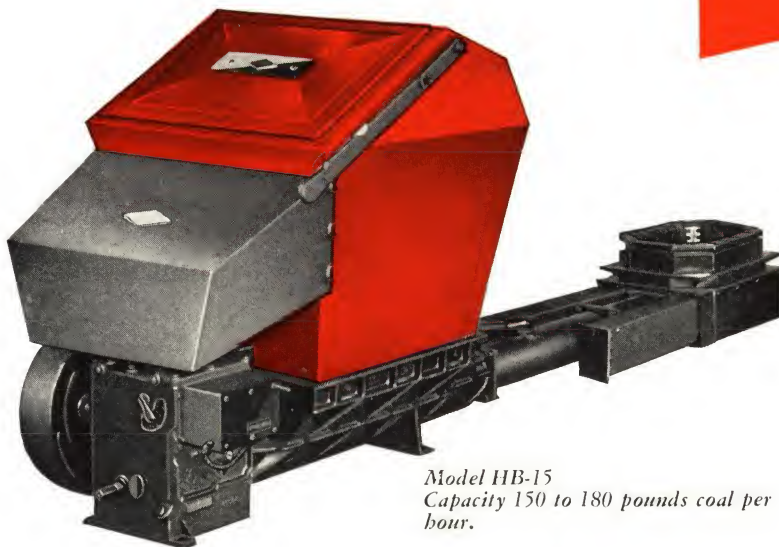
The coal bin conveyor screw on bin feed models is constructed so that the section which extends to the coal bin can be run in any direction, at any angle, or for any distance, no matter where the coal bin may be located. This feature is particularly valuable for installations under existing heating plants and established basement arrangements.

SCHWITZER-CUMMINS COMPANY.. Indianapolis, U.S.A.

STOKOL STOKERS

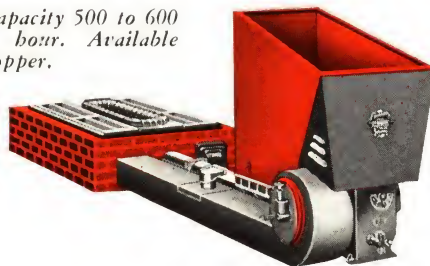
Commercial

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Model HB-15
Capacity 150 to 180 pounds coal per hour.

Model HB-56. Capacity 500 to 600 pounds coal per hour. Available open or closed hopper.



METAL SPRAYED RETORT

Designed for maximum economy and heavily constructed of heat resisting alloy iron, sprayed with an aluminum alloy which greatly increases resistance to heat and lengthens the life of the retort. Individual tuyeres securely fastened to burner base.

Hundreds of commercial and industrial STOKOLS have paid for themselves in two years or less in apartments, hotels, hospitals, stores, clubs, theaters, factories, laundries, dairies, bakeries, etc. STOKOL burns the smaller, less expensive sizes of coal by the Schwitzer-Cummins under-feeding principle, without smoke or soot or ashes, and gets every dollar's worth of heat out of the coal. It eliminates the waste of unburned coal going out in the ashes, or unburned gases or smoke going out the stack.

STOKOL'S record in apartments, hotels, theaters, clubs and churches is that it saves surprising amounts on the fuel bill and at the same time provides a quality of heat that makes and holds tenants, guests and members. In industry and business STOKOL works wonders in improving working conditions that affect production and costs by supplying an abundance of uniform heat and automatically regulating steam pressures for processing operations.

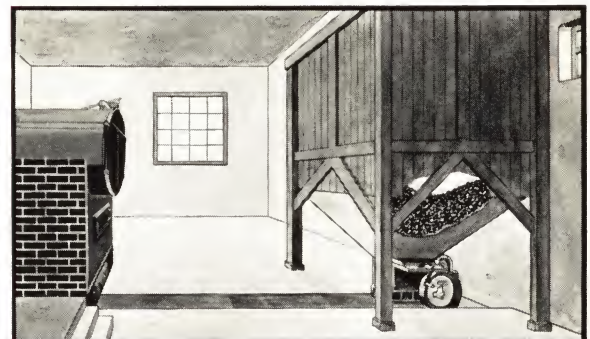
STOKOL holds the heat uniform without ups and downs. It is clean heat, there is plenty of it and it is healthful. There are many ways that STOKOL is a benefit to owners, employees, tenants and customers — ways that may mean the difference between profits and red ink.

Stokolarm, an exclusive STOKOL feature, is indispensable in installations where it is profitable or necessary to leave the heating plant for long periods of time, day or night, without observation from an attendant. Stokolarm cuts out the motor, stops the STOKOL and signals a warning, by bell, light or otherwise, of any undue interruption in operation.

COMMERCIAL BIN FEED MODELS

All commercial and industrial sizes are adaptable to installations where it is economical to unload coal directly into a storage bin which becomes a part of the STOKOL and then feed the coal automatically from bin to fire. Extensions to stokers are provided for any reasonable location for unloading coal away from boiler. STOKOL Commercial Bin Feeds are highly profitable investments, saving large amounts on fuel and labor.

Engineering surveys and installation plans furnished on request.



COAL BURNING AND RADIATION CAPACITIES

MODEL HB (Hopper Type)
and MODEL HBS (Bin Feed Type)

	Max. Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 7.....	75 to 90	2125 to 2550
No. 10.....	100 to 120	3000 to 3600
No. 15.....	150 to 180	4600 to 5520
No. 20.....	200 to 240	6100 to 7320
No. 30.....	300 to 360	9150 to 10980
No. 40.....	400 to 480	12200 to 14640
No. 56.....	500 to 600	15300 to 18500

*Rating represents square feet of standing direct steam radiation based on 14,000 BTU coal in conformance with S. M. A. stoker ratings.

***Depending on size, weight and condition of coal.

COMPLETE ENGINEERING DATA ON REQUEST.

SCHWITZER-CUMMINS COMPANY..Indianapolis,U.S.A.

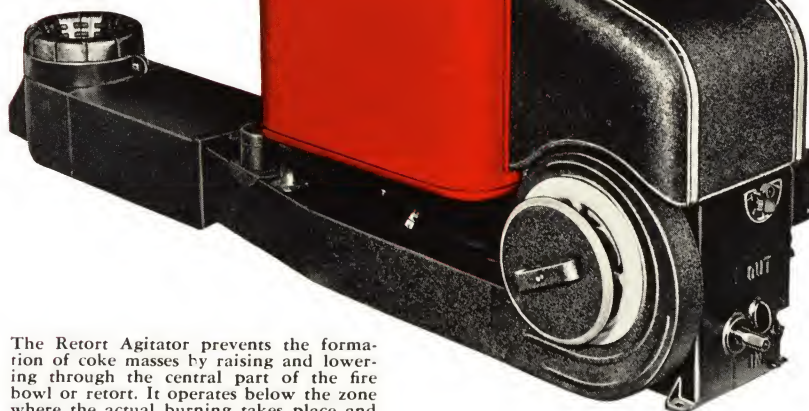
STOKOL STOKERS

Retort Agitator

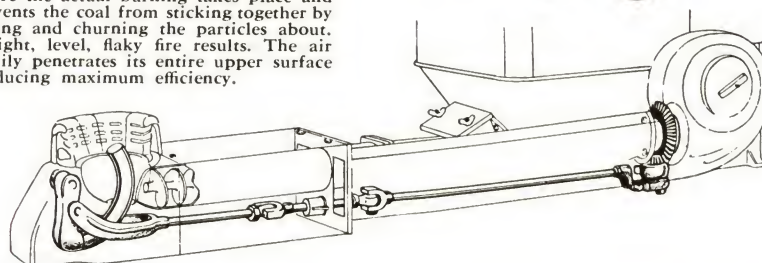
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Schwitzer-Cummins Retort Agitator models were developed for the purpose of burning coals native to many districts which were unsuited for stoker purposes by reason of their strongly coking qualities. Many of these coals are inexpensive and of high heat value. STOKOL and STOKOL-TRIPLEX Retort Agitators combine all the excellent features of both models with a mechanism which agitates the burning coal and prevents coal masses, maintaining a level fire that burns freely and evenly because the agitation makes it possible to get a well-balanced flow of air through all parts of the fire. Retort Agitators come in hopper, bin feed and cabinet models. Also adaptable to low coking coals, and are highly economical on all classes of stoker fuel.

Model HBRA-3
STOKOL



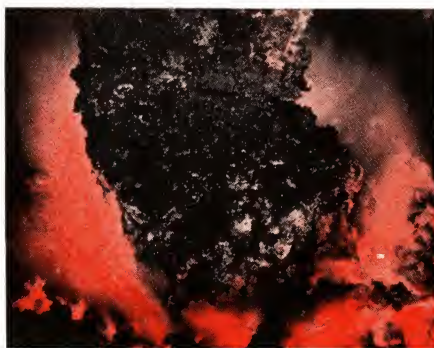
The Retort Agitator prevents the formation of coke masses by raising and lowering through the central part of the fire bowl or retort. It operates below the zone where the actual burning takes place and prevents the coal from sticking together by rolling and churning the particles about. A light, level, flaky fire results. The air readily penetrates its entire upper surface producing maximum efficiency.



COAL BURNING AND RADIATION CAPACITIES

STOKOL MODEL HBRA (Hopper Type) and STOKOL MODEL HBCRA (Cabinet Type)			STOKOL-TRIPLEX MODEL XBRA (Hopper Type) and MODEL XBCRA (Cabinet Type)		
	Max. Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*		Max. Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 2	20 to 24	660 to 795	No. 2	20 to 24	660 to 795
No. 3	30 to 36	990 to 1190	No. 3	30 to 36	990 to 1190
No. 5	50 to 60	1650 to 1980	No. 5	50 to 60	1650 to 1980
No. 7	75 to 90	2450 to 2940			
STOKOL MODEL HBURA (Universal Bin Feed Type)			STOKOL-TRIPLEX MODEL XBURA (Universal Bin Feed Type)		
No. 2	20 to 24	660 to 795	No. 2	20 to 24	660 to 795
No. 3	30 to 36	990 to 1190	No. 3	30 to 36	990 to 1190

*Rating represents square feet of standing direct steam radiation based on 14,000 BTU coal in conformance with S. M. A. stoker ratings.
***Depending on size, weight and condition of coal.



Unretouched photograph of a typical coke tree. Note the massive pillar of unburned fuel and the lack of radiant heat. Photograph was taken 40 minutes after an "off" period and it will require considerably more time to bring this fire up to a state where it will properly heat the house—a condition common with strongly coking coals.



In all automatic heating systems the source of heat must turn off and on many times a day . . . maintaining at times only a small pilot fire. This fire should be capable of rapid acceleration when turned on. This unretouched photograph of a STOKOL RETORT AGITATOR fire was taken *one minute* after the start from an "off" period. Note level . . . loose fuel bed.



Unretouched photograph of same STOKOL RETORT AGITATOR fire two minutes later. Note the quick, even acceleration.

The slow rising and lowering of retort agitator below the combustion zone prevents solid coke formations and allows air to penetrate evenly throughout the fuel bed (the identical fuel particles can be traced in both views.)

SCHWITZER-CUMMINS COMPANY.. Indianapolis, U.S.A.

STOKOL-TRIPLEX

Domestic Bituminous Stokers

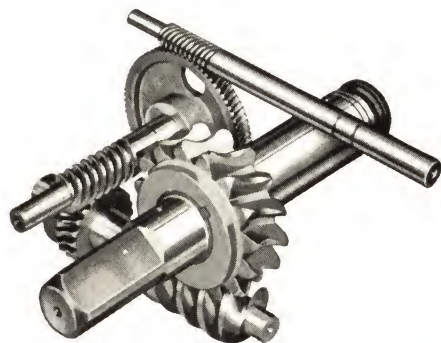
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Model XB-2
STOKOL-TRIPLEX

STOKOL-TRIPLEX embodies these superior STOKOL features—automatic air control, air-tight hopper, improved sectional metal sprayed re-tort, universal bin feed, automatic ash remover on anthracite models.



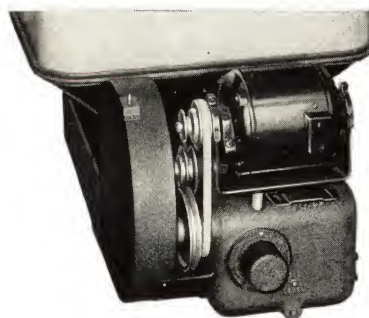
DRIVE—designed for simplicity, reliability, efficiency, and the use of a minimum number of parts. The three-step reduction permits the use of such angles between the worms that high efficiency is possible which can not be obtained with a single worm reduction or gears. The TRIPLEX reduction also permits sizes of the final worm and worm wheel drive that will insure long life and the absence of mechanical failures. Every precaution is taken for silent operation. Worms are hardened and ground to give perfect finish and are mounted on double row ball bearings.



STOKOL-TRIPLEX
Universal Bin Feed

Coal bin conveyor screw can be run to coal bin in any direction to facilitate universal application.

Available in Hopper Type,
Bin Feed,
and Cabinet Models.



MOTOR MOUNTING AND DRIVE—Unusually compact and simple—three-point V-belt drive to permit the desired combination of blower and transmission speeds. The coil spring under motor bracket automatically keeps the belt tightened.

COAL BURNING AND RADIATION CAPACITIES

	MODEL XB (Hopper Type)	MODEL XBC (Cabinet Type)
	MODEL XBU (Universal Bin Feed Type)	
	Maximum Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 2	20 to 24	560 to 675
No. 3	30 to 36	850 to 1020
No. 5 (Hopper & Cab. Models Only) . . .	50 to 60	1430 to 1715

* Rating represents square feet of standing direct steam radiation based on 14,000 BTU coal in conformance with S. M. A. stoker ratings.

*** Depending on size, weight and condition of coal.

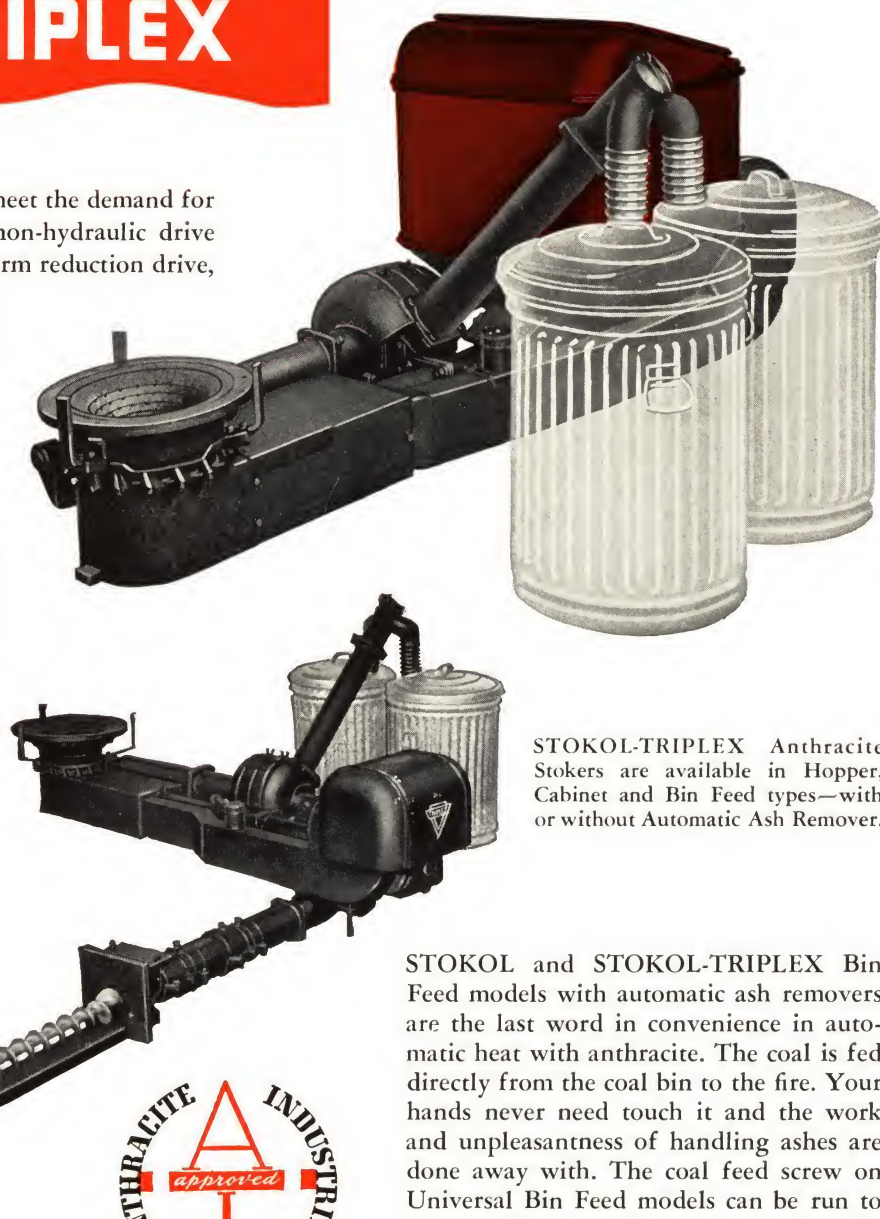
SCHWITZER-CUMMINS COMPANY.. Indianapolis, U.S.A.

ANTHRACITE STOKERS STOKOL-TRIPLEX

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STOKOL-TRIPLEX was developed to meet the demand for a better anthracite coal stoker of the non-hydraulic drive type at a competitive price. Its triple worm reduction drive, an exclusive TRIPLEX feature, is designed for greater economy with simplicity and reliability—a greater turning effort is exerted on the feed screw with less current consumption than with any other transmission of the non-hydraulic class. STOKOL-TRIPLEX is built to the same high standard of quality as STOKOL and embodies many proven STOKOL features. It is built in our own modern plants by up-to-date quantity production methods which permits offering the greatest possible value in the non-hydraulic stoker class at the lowest possible price. Covered by the Schwitzer-Cummins two-year stoker guarantee.

Illustration and description of transmission on Bituminous STOKOL-TRIPLEX page.



STOKOL-TRIPLEX Anthracite Stokers are available in Hopper, Cabinet and Bin Feed types—with or without Automatic Ash Remover.

STOKOL and STOKOL-TRIPLEX Bin Feed models with automatic ash removers are the last word in convenience in automatic heat with anthracite. The coal is fed directly from the coal bin to the fire. Your hands never need touch it and the work and unpleasantness of handling ashes are done away with. The coal feed screw on Universal Bin Feed models can be run to the coal bin in any direction, at any angle, and for any distance, no matter where the coal bin may be located.

COAL BURNING AND RADIATION CAPACITIES

MODEL XA (Non-Ash-Removing Hopper Type)
MODEL XAC (Non-Ash-Removing Cabinet Type)
MODEL XAU (Non-Ash-Removing Bin Feed Type)
MODEL XAAR (Ash-Removing Hopper Type)
MODEL XACAR (Ash-Removing Cabinet Type)
MODEL XAUAR (Ash-Removing Bin Feed Type)

	Max. Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 15.....	15 to 18	400 to 480
No. 25.....	25 to 30	650 to 780
No. 35.....	35 to 42	925 to 1110
No. 50.....	50 to 60	1325 to 1590

*Anthracite rating represents square feet of standing direct steam radiation based on 13,000 BTU anthracite in conformance with S. M. A. stoker ratings.

***Depending on size, weight and condition of coal.

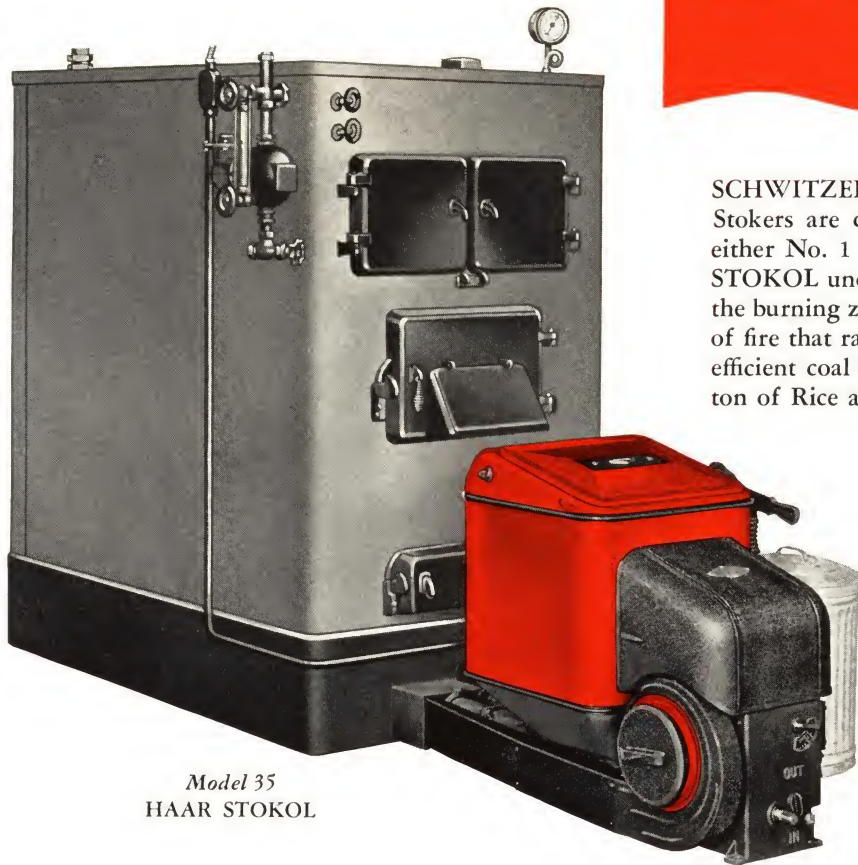
CONTROLS

Every function important for comfort, convenience, economy and safety in the operation of the heating plant is automatically controlled in SCHWITZER-CUMMINS Anthracite Stokers. The Thermostat regulates the fire and the feeding of coal and holds uniform temperatures—a Limit Control insures against overheating furnace or boiler—a Pressure Control regulates the operation of stoker according to steam pressure desired—a Hold-Fire Control prevents the fire from going out in mild weather and there are automatic devices for signaling a warning of any interruption in the operation.

SCHWITZER-CUMMINS COMPANY..Indianapolis,U.S.A.

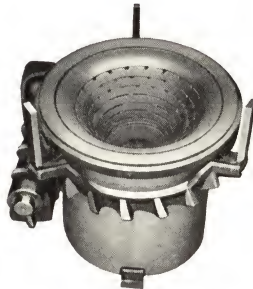
ANTHRACITE STOKERS STOKOL

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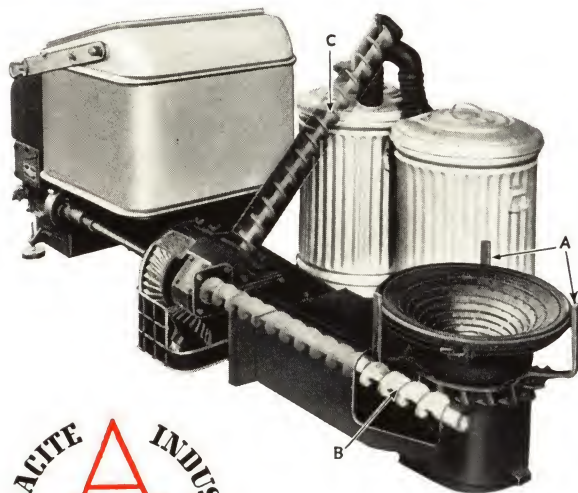
Model 35
HAAR STOKOL

All STOKOL Anthracite models are available in Hopper, Cabinet and Bin Feed types—with or without automatic ash remover.



METAL SPRAYED RETORT

Cast from special heat-resisting iron and sprayed with an aluminum alloy which greatly increases resistance to heat and adds to the life of the retort. Scientifically designed to get the most heat out of the coal. Openings between the rings permit air from blower to be evenly distributed throughout the fire and give perfect combustion.



SCHWITZER-CUMMINS AUTOMATIC ASH REMOVER

As the coal is consumed, the ashes are forced to the outside of the retort by the fresh coal coming in from below and are collected in the ash pit. The exposed portion of the ash screw (B) collects the ashes and delivers them to the elevator screw (C) which deposits them in air-tight ash cans. The entire system is dust-tight. The screws are enclosed in metal pipes connected to tight fitting ash can covers by specially moulded flexible rubber connections. The ash remover can be installed on either side of the stoker facilitating a convenient, accessible installation. The utmost precaution has been taken for cleanliness, quietness and dependability. The simple ash can screws are a great improvement over the old-fashioned chain and bucket elevator.

COAL BURNING AND RADIATION CAPACITIES

MODEL HIA (Non-Ash-Removing Hopper Type)
MODEL HAC (Non-Ash-Removing Cabinet Type)
MODEL HAU (Non-Ash-Removing Bin Feed Type)
MODEL HAAR (Ash-Removing Hopper Type)
MODEL HACAR (Ash-Removing Cabinet Type)
MODEL HAUAR (Ash-Removing Bin Feed Type)

	Max. Coal Feed*** Pounds Per Hour	Square Feet of Steam Radiation*
No. 15...	15 to 18	400 to 480
No. 25...	25 to 30	650 to 780
No. 35...	35 to 42	925 to 1110
No. 50...	50 to 60	1325 to 1590
No. 70...	70 to 84	1850 to 2220

*Anthracite rating represents square feet of standing direct steam radiation based on 13,000 BTU anthracite in conformance with S. M. A. stoker ratings.

***Depending on size, weight and condition of coal.



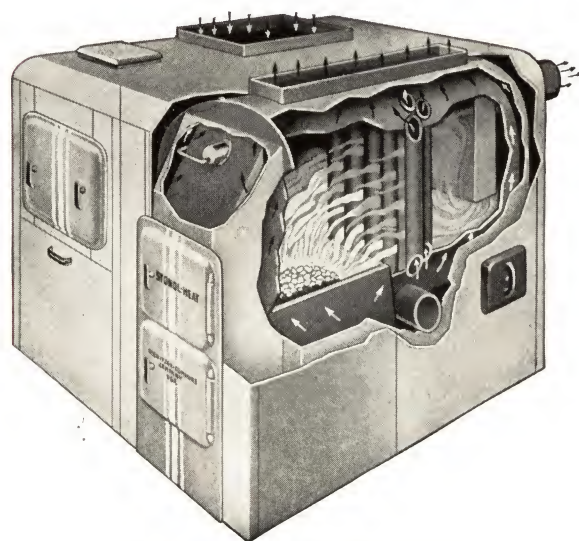
SCHWITZER-CUMMINS COMPANY.. Indianapolis, U.S.A.

STOKOL-HEAT

Winter Air Conditioner

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The experience gained from 60,000 satisfactory STOKOL installations gives us a competent understanding of what the average American family desires in comfortable, reliable heat without drudgery and what they can afford to pay. Starting without any obligations to old designs it was possible for us to depart boldly from outmoded ideas of furnace construction. STOKOL-HEAT is the most modern and economical of any of the new winter air conditioners. It has many unique features that accomplish unusual economy in heat utilization and the entire unit is arranged for the utmost comfort and convenience and for the very minimum of attention. Cabinets are modernistic in design and proportioned to save space in the basement. The dimensions of the largest size, Model 300, are only 64" x 64" x 63".



Cutaway view of STOKOL-HEAT showing cabinet, furnace and stoker retort.

STOKOL-HEAT has been aptly called a "warm air boiler." Note the vertical tubes located in the flame travel which quicken the heating of the air and add greatly to the economy. STOKOL-HEAT has every convenience for servicing and cleaning. Cleaning the furnace is no longer a problem. Two large, easily accessible "fly ash" traps are placed (one on either side of the heat exchanger tubes) in a manner not to reduce the stack draft. A liberal size clinker compartment is conveniently located just inside the firing door permitting hot clinkers to cool within the furnace and preventing objectionable gas odors from entering the basement. The door for filling the hopper at a convenient height from the floor is large, and equipped with a chute to facilitate filling. Fire doors are insulated with refractory material.

The circulating blower is of the Schwitzer-Cummins HY-DUTY silent slow speed improved performance design.



STOKOL-HEAT combines everything necessary for ideal winter heat . . . a new and advanced design of warm air furnace, surprisingly economical and a wonderful heater . . . automatic heat provided by a Schwitzer-Cummins automatic coal stoker . . . forced warm air heating by means of a blower assuring a uniform distribution of heat throughout all the home . . . no more cold corners or cold floors or rooms that cannot be comfortably heated . . . clean, filtered air with a complete change of air in every room several times an hour . . . proper humidification so essential to personal health and comfort.

Model No. 100
STOKOL-HEAT
available with stoker
set on either side or
at front—also with
cabinet type stoker.



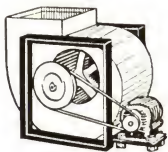
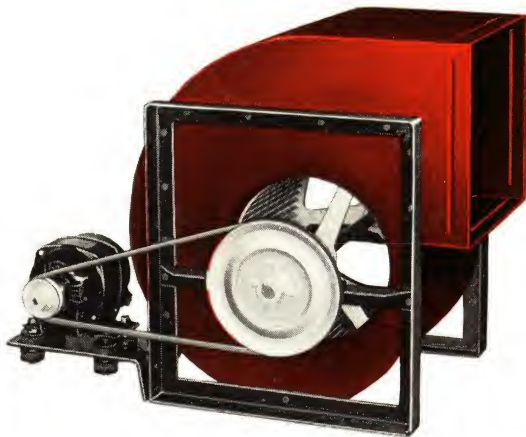
COAL BURNING AND RADIATION CAPACITIES

MODEL FXB (Hopper Type)	MODEL FXBRA (Retort Agitator Hopper Type)	
MODEL FXBU (Universal Bin Feed Type)	MODEL FXBURA (Retort Agitator Bin Feed Type)	
		Max. Coal Feed*** Pounds Per Hour
No. 100		12 to 15
No. 200		20 to 24
No. 300		30 to 36
		BTU, Hr. at Bonnet**
		75,000 to 120,000
		133,000 to 200,000
		200,000 to 300,000

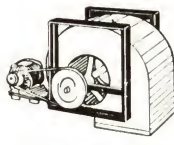
***Depending on size, weight and condition of coal.

**Furnace ratings based on 14,000 BTU coal in conformance with S. M. A. stoker ratings.

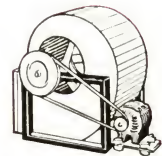
SCHWITZER-CUMMINS COMPANY..Indianapolis, U.S.A.



Top Vertical Discharge



Bottom Vertical Discharge



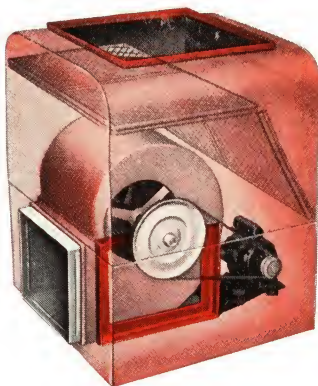
Bottom Horizontal Discharge

For twenty years HY-DUTY FANS and BLOWERS have been leaders in industrial and domestic fields. They excel in advanced engineering—efficient performance and low operating costs. All sizes are available in four different outlet positions—Top Horizontal, Bottom Horizontal—Top Vertical and Bottom Vertical, an important feature for convenient and inexpensive installation.

Capacities range from 400 CFM to 15,000 CFM.

HY-DUTY BLOWERS possess many features of great merit—high delivery at low operating speeds . . . self-oiling, self-aligning pillow blocks . . . full floating rubber insulated motor mounting . . . variable speed drive . . . perfect balance, etc.

Specifications and performance data on request.



HY-DUTY BLOWER-FILTER UNITS are made in five models—two with 12" blowers and 1/6 and 1/4 HP motors, and three with 14" blowers and 1/4,

1/3 and 1/2 HP motors, all liberally sized for furnaces from 18" to 32" grate diameters. All models are designed for efficient delivery and silent operation at slow speeds and with a maximum of filter area. HY-DUTY BLOWER-FILTERS have a fine reputation for satisfactory service. They are of high quality and are reasonably priced.

STOKOLAIR-HUMIDIFIER

A high grade model combining a Blower-Filter Unit and a Humidifier.

SUPERIOR FEATURES . . . All-metal indestructible air filter—lint arrester—swinging access door which makes the unit easily convertible to summer cooling by utilizing the cooler basement air—non-corroding non-clogging spray nozzles—dual system of humidity control.

The air enters the cabinet from the cold air return or from the basement, according to the position of the access door. It passes through the lint arrester which effectively stops all lint, hair and like material from clogging the filter, thence through the filter for purification from dirt. The filtered air is circulated by the blower to the galvanized iron humidifier chamber where it is moistened by two sprays under automatic control of both a Humidistat and a Windowstat. An eliminator at the outlet opening extracts any moisture not thoroughly absorbed by the air stream. The Windowstat acts as a limit switch for the Humidistat and prevents excess condensation in case of sudden drops in temperature outdoors and high humidity indoors.

Capacities up to 34" grate area furnaces.



HY-DUTY ATTIC VENTILATORS are made in five fan diameters. Capacities range from 4,200 CFM to 16,000 CFM. They are built with HY-DUTY fans specially designed for high air delivery at slow speed, insuring quiet operation and low current consumption.

For complicated room arrangements, we offer HY-DUTY HOME VENTILATORS built with our Blower type fans with Top Horizontal outlet. These Ventilators are particularly adapted for the positive handling of air against unusual restrictions—available with complete accessories including automatic time-clock and automatic shutters for protection against the weather.

WRITE FOR SPECIFICATIONS AND ENGINEERING DATA

SCHWITZER- CUMMINS

and its Products

Coal Stokers..

STOKOL AND STOKOL-TRIPLEX FOR
BITUMINOUS AND ANTHRACITE COALS..
RETORT AGITATOR MODELS FOR
HIGH COKING COAL

Stoker Fired Furnaces..

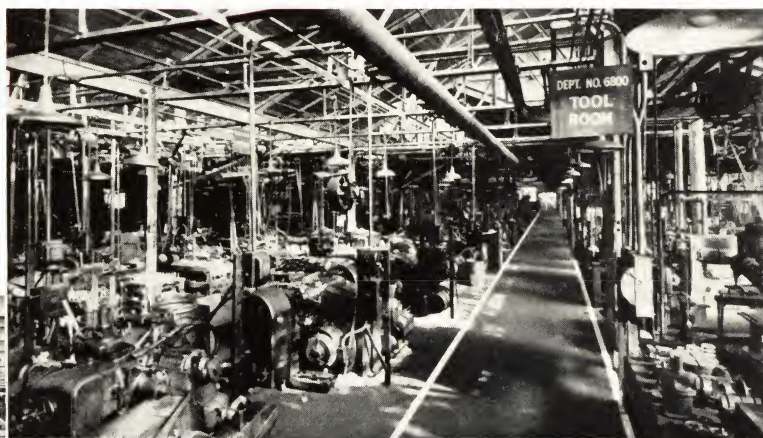
AUTOMATIC WARM AIR HEATING PLANTS
AND WINTER AIR CONDITIONERS

Blowers..

BLOWER-FILTER UNITS..
BLOWER-FILTER HUMIDIFIERS..
GENERAL VENTILATION

Attic Ventilators..

PROPELLER FAN TYPE.. BLOWER FAN TYPE



ings, etc., are completely fabricated in our own factories. Much specially built equipment is employed and we have many departments for the building of Stoker and Furnace Units by mass production methods which insure a high quality product at low cost.

We and our distributors are equipped to offer engineering services for the selection and installation of our products. Write for Architects and Engineers Manual.

SCHWITZER-CUMMINS COMPANY
INDIANAPOLIS, U. S. A.

